

# “THE RODSMITH RW-3L” by PACIFIC BAY

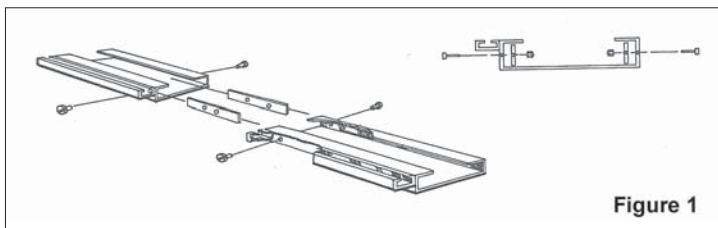
## 1. CONTENTS

Please check contents of this package immediately after opening. It should contain the following parts and assemblies:

- A. Headstock/track assembly (1 pc.). Includes: One 2' 8" base section with power platform, two motors, self centering chuck and chuck support, speed control, double drive pulley, three position switch, large “0” ring drive belt (plus one spare), power cord and foot control
- B. Additional 2' 8" aluminum base sections (2 pcs.)
- C. Connecting metal slats (4 pcs.) with mounting screws (16 pcs.) and wing nuts with washers (16 pcs.)
- D. Adjustable upright rod supports (3 pcs.)
- E. Thread carrier assembly (1 pc.). Includes carrier platform with three ball bearing rollers, dual thread tension device, two ceramic thread guides, and magnet for razor blade.

## 2. ASSEMBLY AND SET-UP OF “THE RODSMITH RW-3L”

Locate the one base section with holes drilled into both ends. This is your center section. Note that optional base sections will also have holes drilled in both ends, and should be used as inside sections. Always use your current end section in the end position when additional sections are purchased.



Attach sections using connecting metal slats and screws, as shown in Figure 1.

Before fully tightening the screws and nuts, install the thread carrier as shown in Figure 2 and check its tracking ability over each joint. A slight resistance is acceptable but if the wheels hang-up, try gently shifting the sections into position. Once this is accomplished, tighten all screws. Complete the connections by fully tightening the wing nuts. HINT: A little paraffin applied to the track surfaces will further smooth the carrier's tracking ability over these joints. Track surfaces should be cleaned regularly for best operation and paraffin reapplied if utilized.



## 3. THREAD CARRIER/TENSIONER

The thread carrier assembly will permit hands free tracking. You may store up to two spools of thread on the carrier, one on each of the two posts. The posts fit either 100 yard or 1 oz. spools.

The dark button to the left of the thread tension device is a magnet for holding a razor blade. In addition to its holding ability, the magnet provides a consistent location for storing the blade; in this way it will always be close at hand.

The threading procedure for the carrier is quite simple. Run the thread from the spool through the ceramic guide. See Figure 3. You can increase or decrease the thread tension by adjusting the wing nut on the side of the tensioner. NOTE: Start with the lightest possible setting and increase as needed. If you start with a heavy setting the thread may break.

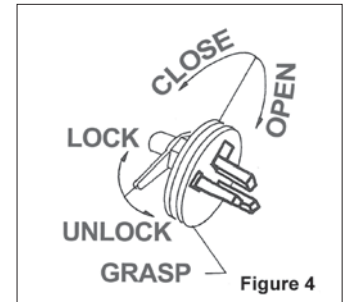


Figure 3

## 4. SET-UP AND OPERATION OF THE CHUCK

Your new “RODSMITH RW-3L” is equipped with a self centering, three jaw chuck mounted on a ball bearing main shaft. With the jaws fully opened, the chuck is capable of holding blanks to a maximum of 1.5 inches in outside diameter.

The operation of the chuck is also quite simple. The first step is to loosen the wing nut on the back of the chuck. Next, open the jaws of the chuck by turning the two chuck plates in opposite directions at the same time. When the rod butt is inserted, close the jaws against the rod by reversing this operation. You must then lock the jaws in place by tightening the wing nut firmly against the backing plate. See figure 4.



If the handle of your rod has a reverse taper, it may try to work out of the chuck while turning. To prevent this, first be certain that the rod has aligned itself to the center of the chuck. You should then try to shim the butt of the rod with just enough masking tape to eliminate the taper.

## 5. UPRIGHT ROD SUPPORTS

The three upright supports that come with your “RODSMITH RW-3L” work together with the chuck in holding the blank for thread wrapping and grip shaping. They can be positioned anywhere along the aluminum base by simply loosening the lower wing nut.

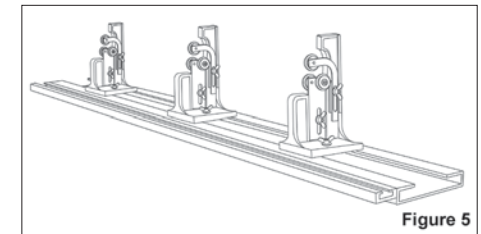


Figure 5

### CAUTION:

1. Should not be operated by children.
2. Not to be used by the physically or mentally impaired unless supervised by a responsible party for their safety.
3. If the power cord is damaged do not attempt to repair by yourself. Please have repaired by a certified electrician.

For balanced operation, it is necessary to adjust the supports relative to the chuck height each time you change to a blank with a different diameter. Do this as follows:

- A. Raise the top roller by loosening the wingnut, lay the blank on the double roller assemblies, butt end towards the chuck.
- B. Adjust the lower double rollers up or down to the level of the top chuck by loosening the wing nut on each support. Lower the top roller on top of the blank and tighten the wing nut.
- C. Tighten the chuck as previously explained. Test your setup by operating the wrapping motor at a moderate speed (wrapping motor instructions follow). If necessary, repeat step B.

## 6. CONTROLLING THE MOTOR ASSEMBLY

There are two motors on "THE RODSMITH RW-3L". The smaller motor is for coating and drying. The larger sewing machine type motor is to power wrap.

A The drive belt must be connected from the small pulley on the wrapping motor shaft to the large pulley which drives the chuck (your "RODSMITH RW-3L". See should arrive in this configuration). See Figure 6. To remove the belt from the machine or to install a new belt, press down gently on the wrapping motor.

This will allow clearance for the belt by enlarging the gap between the motor mount and drive pulley. **DO NOT FORCE THE BELT THROUGH THIS GAP.** Even a slight abrasion will decrease its life or result in immediate belt failure.

B. Put the three way switch in the "WRAP" position.

C. Adjust the speed control dial to 3 or 4 (this allows for fine slow speed control while using the foot pedal).

To turn cork grips, follow the above instructions but turn the speed control dial to 10. This will give you maximum speed while operating the foot control. To coat and dry:

A. Move the drive belt to the pulley on the finish/dry motor. See Figure 7.

B. Move the three way switch to the "DRY" position.

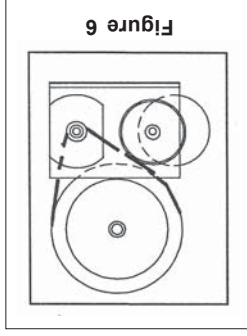


Figure 6

NOTE: This smaller motor will operate in either direction. To reverse its direction, turn the switch to "OFF" and then to "DRY" again.

TIP FOR FANCY WRAPS: The ball bearing head stock allows you to hand turn "THE RODSMITH RW-3L" for your complicated fancy wraps or when wrapping delicate tip sections. The inside face of the drive pulley is marked at 45 degree increments to help in setting up fancy wraps and keeping guides in alignment. Contact your dealer for availability of following spare parts and assemblies:

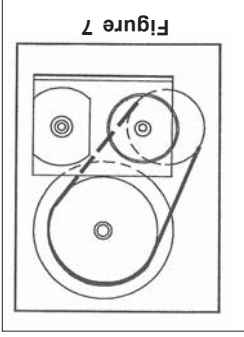


Figure 7

## Description

RW-3 AL BASE Wrapping machine aluminum base	RW-1 CARRIAGE Wrapping machine thread carriage
RW-1 CHUCK Wrapping machine chuck	RW-1 FNSH MTR Wrapping machine finishing motor - small
RW-1 LG"O"RING Wrapping machine large "O" ring	RW-1 LG"O"RING Wrapping machine large "O" ring
RW-1 LINE GDE Wrapping machine ceramic line guide	RW-3 MTL SLAT Wrapping machine metal slats & screw sets
RW-1 PEDAL Wrapping machine foot pedal	RW-3 ROD SPRT Wrapping machine rod support with ball bearing rollers
RW-1 SM"O"RING Wrapping machine small "O" ring	RW-1 WRAP MTR Wrapping machine wrapping motor - large

## Rodsmith Wrapper Accessory:

Upgrade your original Rodsmith Power Wrapper today! Additional set of jaw attachments are included for accommodating larger o.d. blanks and cork grips.



RW/DX-CHK-5

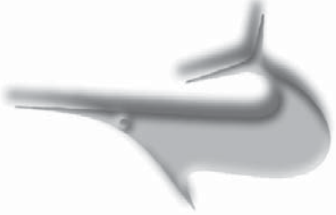
For the latest in custom rod components, blanks, and rod building supplies check out our web site. You can also request our latest catalog in our catalog section, by calling our toll free line, or emailing to: info@fishpackbay.com.

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# "THE RODSMITH RW-3L" PROFESSIONAL POWER WRAPPING MACHINE

## PACIFIC BAY



## FOR THE SERIOUS CUSTOM ROD BUILDER

- Self centering chuck
- Holds blanks & grips up to 1 1/2 inches in diameter
- Adjustable speed Finish motor (up to 4,000 RPM)
- 11 RPM drying motor
- Dual-spool thread carriage with tension device
- 3 height adjustable rod supports with ball bearing wheels
- Foot and dial controlled wrapping motor (can also turn cork grips)
- 45° indications on flywheel for diamond wraps
- 3 sectional 8' anodized aluminum base, convenient for storage
- Spare parts available for repair and maintenance

